

## ICP-MS Analysis Results

07-Jan-16

Instrument: Thermo X-Series2 Quadrupole ICP-MS

All water samples were filtered through clean (new) polyvinyl filters (0.45 µm). A separate filter used for each sample. The first 10 mL of each sample was flushed through to condition the filter before collecting the 10 mL aliquot for analysis.

After filtration, the samples were acidified with 0.2 mL of 16 Molar Environmental Grade Nitric Acid.

The tuning and configuration of the ICP-MS was typical for solution analysis. All elements measured in "standard mode".

Internal standard solution containing Rh, In, and Re was added on line to correct for drift and matrix effects.

"FQ" indicates elements that were "fully quantitatively" determined, by external calibration standards.

"SQ" indicates elements that were "semi quantitatively" determined, by approximating:

The certified reference river water standard SLRS-5 was run to test for method accuracy.

"ud" indicates results that were below the measured limit of detection ( 3 x standard deviation of the blank).

Samples AW-104 and -105 were prepared in the lab. -104 is tap water, treated the same as the samples. -105

All Results in parts per billion (ppb = ug/L)

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